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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/934,886	08/22/2001	Jean Louis Calvignac	RAL920010026US1	8162

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EXAMINER

ISMAL, SHAWKI SAIF

ART UNIT	PAPER NUMBER
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2155

DATE MAILED: 06/17/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/934,886

Applicant(s)

CALVIGNAC ET AL.

Examiner

Shawki S. Ismail

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 18 January 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

RESPONSE TO AMENDMENT

1. This communication is responsive to the amendment filed on January 18, 2005. Applicant amended claims 1, 4, 5, 6, 7, 11, and 12. Claims 1-12 remain for further consideration.

New Grounds of Rejection

2. Applicants' amendment and arguments with respect to claims 1-12 filed on January 18, 2005 have been fully considered but they are deemed to be moot in view of the new grounds of rejection.

Claim Rejections - 35 USC §102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1-12 are rejected under 35 U.S.C. 102(e) as being anticipated by **Ben-Zeev et al.**, (Ben-Zeev) U.S. Patent No. **6,687,757**.

5. As to claim 1, Ben-Zeev teaches a method of operating a network for transmission of data between users, and wherein said network includes at least one

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network processor and at least one coprocessor associated with said network processor, and wherein said data is passed to said network processor in data packets, said method comprising:

each of said network processors encapsulating the data in each packet into a data frame before transmission on the network, and wherein said network processor provides a header for the data in each data frame which includes all the information necessary to direct the coprocessor to perform all required operations on said data (Fig. 6, col. 12, lines 13-35, col. 12, lines 45-57),

passing at least some data frames, including the header thereof, from said network processor to said coprocessor associated therewith before transmission on the network (Fig. 6, col. 12, lines 45-57),

performing any operations required by the header in said coprocessor on said data before transmission on the network (see Fig. 6, col. 12, lines 45-57, the coprocessor carries out CRC and DES)

modifying said header information by said coprocessor after performing said required operations (col. 12, lines 45-57, the co-processor modifies the header portion after carrying out the specific tasks),

returning said data frame from said coprocessor to said network processor with said modified header, and (see Fig. 6, col. 11, lines 8-44)

thereafter transmitting said data with said modified heading on said network (see Fig. 6, col. 11, lines 8-44).

6. As to claim 2, Ben-Zeev teaches the invention as defined in claim 1 wherein all data frames with said created headers are sent to the coprocessor associated with said network processor and said coprocessor returns said data in the order it was received from the network processor (col. 12, lines 57-67)

7. As to claim 3, Ben-Zeev teaches the invention as defined in claim 1 wherein said network processor can receive data with the modified data header, passing said received data with the modified header to said coprocessor associated therewith, restoring the data from its modified form to its original form in the coprocessor and returning said stored data to the network processor (see Fig. 6, col. 12, lines 57-66).

8. As to claim 4, Ben-Zeev teaches the invention as defined in claim 3 wherein there is at least two network processors on said network and each of said processors is configured to pass data with created headers therebetween (see Fig. 6, col. 12, lines 13-35)

9. As to claim 5, Ben-Zeev teaches the invention as defined in claim 2 wherein the information for generating said header is contained, at least in part, in said network processor (col. 12, lines 45-57).

10. As to claim 6, Ben-Zeev teaches the invention as defined in claim 3 wherein the information for generating said header is contained, at least in part, in said data packets (col. 12, lines 45-57).

11. As to claim 7, Ben-Zeev teaches a network for transmission of data between users comprising:

a network processor and at least one coprocessor associated with said network processor, said data being passed to said network processor in data packets ((Fig. 6, col. 12, lines 13-35, col. 12, lines 45-57),

each of said network processors including programming which encapsulates the data in each packet into a data frame before transmission on the network, including a header for the data in each data frame, which header includes all the information necessary to direct the coprocessor to perform all required operations on said data and to pass at least some data frames, including the header thereof, from said network processor to said coprocessor associated therewith ((Fig. 6, col. 12, lines 13-35, col. 12, lines 45-57),

programming in said coprocessor to read and perform any operation required by the header on said data before transmission on the network (see Fig. 6, col. 12, lines 45-57, the co-processor carries out CRC and DES),

programming in said coprocessor to modify said header information after performing said required operations on the data and to return said data frame from said coprocessor to said network processor with said modified header (col. 12, lines 45-57, the co-processor modifies the header portion after carrying out the specific tasks),

Thereafter transmitting said data with said modified heading on said network (see Fig. 6, col. 11, lines 8-44).

12. As to claim 8, Ben-Zeev teaches the invention as defined in claim 7 wherein said programming in said network processor will send all data frames with said created headers to the coprocessor associated with said network processor, and said

programming in said coprocessor will return said data frames in the order they were received from the network processor (col. 12, lines 57-67)

13. As to claim 9, Ben-Zeev teaches the invention as defined in claim 7 wherein said programming in the network processor can receive data with the modified data header, pass said received data with the modified header to said coprocessor associated therewith, and said programming in said coprocessor can restore the data from its modified form to its original form in the coprocessor and return said restored data to the network processor (see Fig. 6, col. 12, lines 57-66).

14. As to claim 10, Ben-Zeev teaches the invention as defined in claim 7 wherein there is at least two network processors and each of said processors is configured to pass data with created headers therebetween (see Fig. 6, col. 12, lines 13-35).

15. As to claim 11, Ben-Zeev teaches the invention as defined in claim 7 wherein the information for generating said header is contained, at least in part, in said network processor (col. 12, lines 45-57).

16. As to claim 12, Ben-Zeev teaches the invention as defined in claim 7 wherein the information for generating said header is contained, at least in part, in said data packets (col. 12, lines 45-57).

17. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shawki S Ismail whose telephone number is 571-272-3985. The examiner can normally be reached on M-F 8:30 - 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Etienne can be reached on 571-272-4001. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should

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you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

Shawki Ismail
Patent Examiner
June 6, 2005



Bharat Barot.
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PRIMARY EXAMINER